

WHAT IS CLAIMED IS:

Sub A, B, 1
5 1 A recombinant adenoviral vector encoding an pro-apoptotic ~~bax~~ gene.

Sub A2
10 2. A pharmaceutical composition, comprising the adenoviral vector of claim 1 and a pharmaceutically acceptable carrier.

Sub A3
15 3. A method of treating an individual having a pathophysiological state, comprising the step of administering to said individual a pharmacologically effective dose of the composition of claim 2.

20 4. The method of claim 3, wherein said pathophysiological state is a neoplastic disease.

sub
A5

5. The method of claim 4, wherein said neoplastic disease is selected from the group consisting of breast cancer, colon cancer, ovarian cancer, glioma, osteosarcoma and haemopoietic cancers.

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sub
A5

6. The method of claim 4, wherein said composition is administered in a dose of from about 0.1 mg/kg to about 100 mg/kg.

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sub
A6

7. A method of treating an individual having ovarian cancer, comprising the step of administering to said individual a pharmacologically effective dose of a pharmaceutical composition, comprising a recombinant adenoviral vector encoding an pro-apoptotic *bax* gene and a pharmaceutically acceptable carrier.

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8. The method of claim 7, wherein said composition is administered in a dose of from about 0.1 mg/kg to about 100 mg/kg.

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10. The method of claim 9, wherein said composition is